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AMENDMENTS TO THE CLAIMS

Please amend the claims to read as follows.

The listing of the claims will replace all prior versions, and listing of claims in the application:

Listing of the Claims

- 1. (Currently Amended) A microwave radiation curable ink for piezo electric drop-ondemand inkjet printing, comprising:
 - a. molecules of material capable of undergoing a polymerization reaction under the influence of said microwave radiation generated heat;
 - b. a microwave radiation absorber, said absorber <u>enhances</u> enhancing absorption of microwave radiation and conversion of said <u>radiation</u> energy into heat;
 - c. a thermal initiator, said initiator being activated by heat generated by said microwave radiation energy; and
 - d. a colorant[[,]] and
 - e. additives.
- 2. (Currently Amended) A microwave radiation curable The ink for piezo electric drop on demand inkjet printing according to claim 1, and where wherein said molecules of material capable of undergoing a polymerization reaction under the influence of said microwave radiation generated heat are any one or a combination of acrylic monomers, and acrylic oligomers[[,]] or any combination thereof.
- 3. (Currently Amended) A microwave radiation curable The ink for piezo electric dropen-demand inkjet printing according to claim 1, and where wherein said microwave radiation absorber is at least one of carbon black, minerals[[,]] and polar molecules, said such as alcohols, amines, ammonium salts and conductive polymers.
- 4. (Currently Amended) A microwave radiation curable The ink for piezo electric dropon demand inkjet printing according to claim 1, and where wherein said thermal initiator is at

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least one of lauroyl peroxide, cumenn peroxide dicumyl peroxide, tert-amyl peroxy-benzoate, dentanedione-peroxide, and 1,1'-azobis-cyclohexane carbonitryle.

- 5. (Currently Amended) A microwave radiation curable The ink for piezo electric dropon-demand-inkjet printing according to claim 1 and where said further comprising one or more additives, said additives are any one or a combination of wetting agents, dispersants, rheology modifiers, solvents, and or defoamers.
- 6. (Currently Amended) A method of microwave radiation curing of ink for piezo dropon-demand ink jet printing comprising steps of:
 - a. providing an ink, said ink having a microwave absorber and a thermal initiator, said absorber enhancing absorption of microwave radiation;
 - b. printing with said ink an image bearing pattern on a substrate; and
 - c. irradiating by microwave euring radiation said printed image bearing pattern, wherein such that said image bearing pattern is cured by heat generated by application of-said microwave curing radiation converted into heat within the ink layer.
- 7. (Currently Amended) A method of printing on an optically reflective substrate surfaces by piezo drop-on-demand ink jet printing comprising steps of:
 - a. providing an ink, said ink having a microwave absorber and a thermal initiator, said absorber enhancing absorption of microwave radiation;
 - b. printing with said ink an image bearing pattern on said optically reflecting substrate; and
 - c. irradiating by microwave curing radiation said printed image bearing pattern, wherein such that said image bearing pattern is cured by heat generated by application of-said microwave curing radiation converted into heat within the ink layer and said microwave radiation is not reflected by the substrate.
- 8. (Currently Amended) An ink jet ink composition comprising:
 - a. molecules capable of undergoing polymerization reaction under microwave radiation;

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b. at least one colorant; and

c. one or more additives Additives.

9. (Currently Amended) The An ink jet ink according to claim 8, where said molecules capable of undergoing a polymerization reaction are monomers and oligomers containing acrylate groups.

- 10. (Original) An ink jet ink according to claim 8, where said additives are selected from a group of thermal initiators, microwave radiation absorbers, wetting agents, dispersants, rheology modifiers, solvents, and defoamers.
- 11. (Currently Amended) <u>The An ink jet</u> ink according to claim 8, <u>further comprising</u> thermal initiators, where said thermal initiators are selected from lauroyl peroxide, cumenn peroxide dicumyl peroxide, tert-amyl peroxy-benzoate, dentanedione-peroxide, <u>or</u> 1,1'-azobis-cyclohexane carbonitryle.
- 12. (Currently Amended) An ink jet ink according to claim 8, <u>further comprising</u> <u>microwave absorbers</u>, <u>where</u> said microwave absorbers are selected from components capable of increasing the absorption of microwave radiation, said components being: carbon black, minerals[[,]] <u>polar molecules alcohols</u>, <u>amines</u>, <u>ammonium salts and conductive polymers</u>.
- 13. (New) The ink according to claim 3, wherein said polar molecules are, alcohols, amines, ammonium salts or conductive polymers.
- 14. (New) The ink according to claim 12, wherein said polar molecules are, alcohols, amines, ammonium salts or conductive polymers.
- 15. (New) The method according to claim 7, wherein printing on said optically reflecting substrate comprises printing on a glass surface, a plastic surface or a marble surface.